25X1

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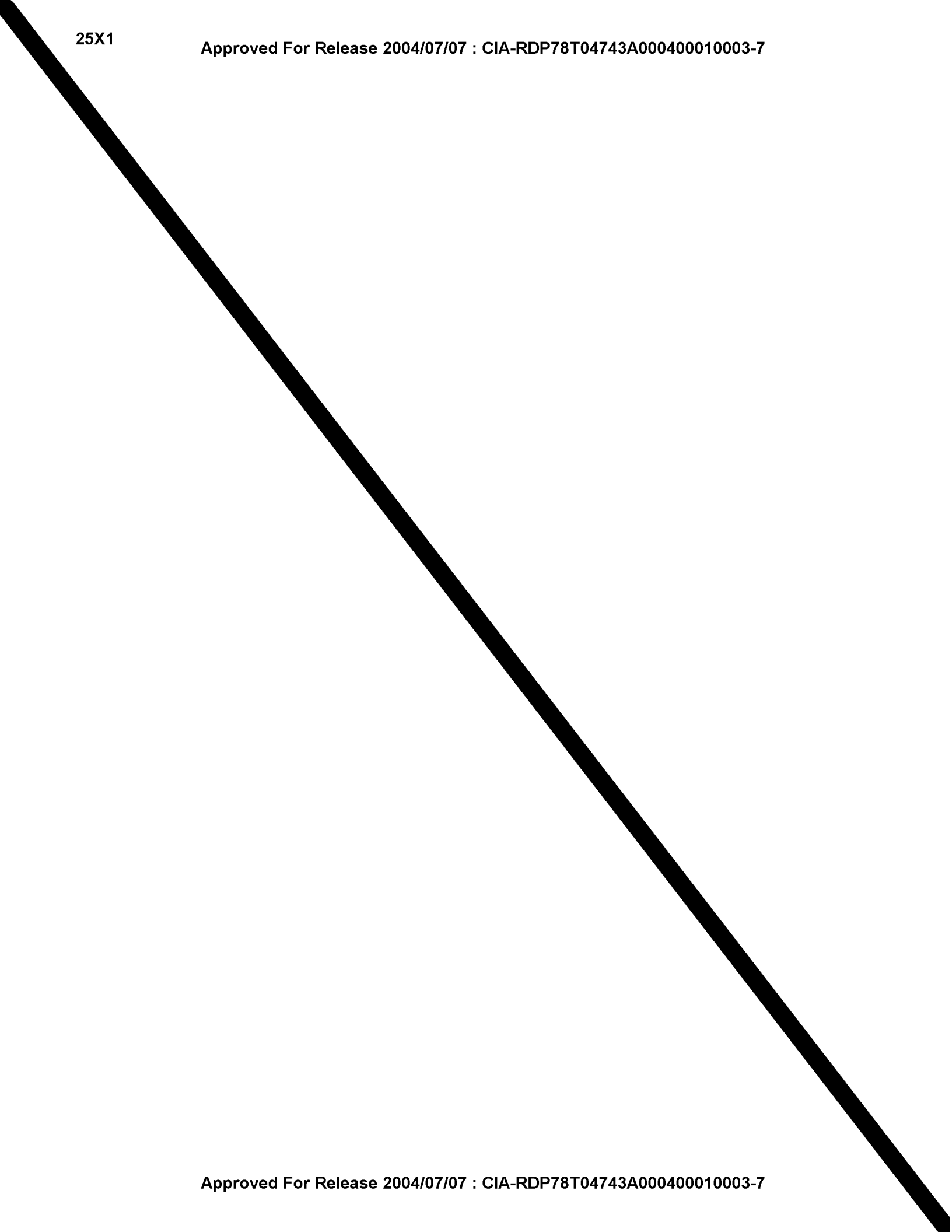

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CGS-____-6_

[ ]

M/EB 403/63
19 September 1963
Copy 4

MEMORANDUM FOR: Chief, Military-Economics Division, ORR

25X1 ATTENTION: [ ]

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Tabular Analysis of Type IIc ICBM Launch Areas, USSR

REFERENCES: (a) Requirement C-RR-3-80,331 (Supplement)
(b) CIA/PID Project C 913-63

1. This memorandum is in answer to your requirement C-RR-3-80,331 supplement dated 2 August 1963. Forwarded herewith are 26 tables indicating the construction status by mission of the Type IIc ICBM launch areas in the USSR.

2. The photo analyst on this project is [ ] and he may be contacted on [ ] should you have any further questions regarding this project. 25X1 25X1

3. This project is considered to be complete.

[ ] 25X1

Enclosures:
1 - Twenty six (26) tables

TOP SECRET [ ]

GROUP 1
Excluded from automatic downgrading and declassification

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[redacted]

Access Road	Present but not surfaced	Identified only	Surfaced	Surfaced
Support Buildings	18 barracks type 7 small	Identified only	23 barracks type 8 small	23 barracks type 8 small
Triad	Scarring only	Identified only	Surfaced road 2 buildings	3 structures
Clearings for site	Clearings for all components	Identified only	All present	All present
Security	None evident	Identified only	Faint evidence	Single fence
Site Road Pattern	Definite	Identified only	Surfaced	Surfaced
Cross Ditch Between Pads	Present	Identified only	Present	Present
Central Axis Buildings	Forward building present	Identified only	2 buildings present	2
Canted Buildings	Two at left pad	Identified only	3 complete, 1 under construction	4
Missile Ready Buildings	Right ready building under construction	Identified only	Right complete Left complete	1 right 1 left
Pad Surfaced	Initial surfacing on left pad	Identified only	Both pads surfaced	Yes
Objects on Pads	None evident	Identified only	None	2 right 2 left

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Dravyanaya "D"

[redacted]

Access Road	Present	Identified only	Surfaced	Surfaced
Support Buildings	17 barracks type	Identified only	18 barracks type	18 barracks visible (cloud)
Triad	Initial scarring	Identified only	3 structures	3 structures
Clearings for Site	Initial scarring for major components	Identified only	Extensive scarring	All present
Security	None evident	Identified only	Faint suggestion	Possible double fence
Site Road Pattern	Faint	Identified only	Partial surfacing	Surfaced
Cross Ditch Between Pads	Present	Identified only	Present	Present
Central Axis Buildings	Building to rear is present	Identified only	Both present	2
Canted Buildings	None evident	Identified only	2 right 1 left	4
Missile Ready Buildings	None evident	Identified only	1 right	1 right
Pad Surfaced	No	Identified only	Partial	Yes
Objects on Pads	None	Identified only	None	None

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Gladkaya "A"

Access Road	Present	Present	Identified only	Identified only	Surfaced
Support Buildings	22 large barracks type, 4 small	24 barracks type	Identified only	Identified only	32 barracks type, 7 small
Triad	Initial scarring	No additional activity discernible	Identified only	Identified only	3 structures
Clearings for Site	Area cleared	No additional activity discernible	Identified only	Identified only	Extensive scarring
Security	None	None	Identified only	Identified only	Partial fence discernible
Site Road Pattern	Basic components	Faint	Identified only	Identified only	Improved
Cross Ditch Between Pads	Present	Present	Identified only	Identified only	Present
Central Axis Buildings	None	None	Identified only	Identified only	1 forward under construction, 2 rear
Canted Buildings	None	None	Identified only	Identified only	4 complete
Missile Ready Buildings	None	Right ready building under construction	Identified only	Identified only	1 right ready bldg.
Pad Surfaced	No	No	Identified only	Identified only	Yes
Objects on Pads	None	None	Identified only	Identified only	2 right 1 left

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Gladkaya "B"

Access Road	Present	Improved
Support Buildings	21 large barracks type, 10 small	23 barracks type, 14 small
Triad	Not evident	Not evident
Clearings for Site	Clearings for major components	Extensive scarring due to super imposition
Security	None	None evident
Site Road Pattern	Indistinct	Indistinct due to super imposition
Cross Ditch Between Pads	Faint	Present
Central Axis Buildings	None	1 forward under construction
Canted Buildings	None	3 complete, 1 under construction
Missile Ready Buildings	None	Right ready building under construction
Pad Surfaced	No	No
Objects on Pads	None	None

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25X1

Kostroma "X"

[redacted]

Access Road	Present	Improved	Improved
Support Buildings	6 barracks type	12 barracks type	12 barracks type
Triad	Initial scarring	3 possible structures	3 structures
Clearings for Site	Initial pad clearings	Extensive scarring	All clearings present
Security	None	None evident	None evident
Site Road Pattern	Initial scarring	Improved	Improved
Cross Ditch Between Pads	Present	Present	Present
Central Axis Buildings	None	1 rear	2 present
Guard Buildings	None	1	4
Missile Ready Buildings	None	1 under construction	1
Pad Surfaced	No	No	Right surfaced, left partial
Objects on Pads	None	None	Right possible

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Kostroma "G"

[redacted]

Access Road	Present	Improved
Support Buildings	None evident	24 barracks type, 4 small
Triad	Faint	3 structures
Clearings for Site	Very early	All present
Security	None	None evident
Site Road Pattern	Indistinct	Initial construction
Cross Ditch Between Pads	None	Present
Central Axis Buildings	None	1 rear
Canted Buildings	None	1 and 1 under construction right 1 left
Missile Ready Buildings	None	1 right
Pad Surfaced	No	No
Objects on Pads	None	No

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25X1

Ittatka "C"

[redacted]

Access Road	Present	Lengthened ½ improved	Improved
Support Buildings	8 barracks type	13 barracks type	22 barracks type
Triad	None	3 structures	3 structures
Clearings for Site	Initial	Early	Clearings present for all components
Security	None	None	None
Site Road Pattern	Not evident	Faint (snow)	Faint (cloud shadow)
Cross Ditch Between Pads	Not evident	Faint (snow)	Present
Central Axis Buildings	None	1 forward 1 under construction rear	Indistinct
Canted Buildings	None	3	4
Missile Ready Buildings	None	None evident	None evident
Pad Surfaced	No	No	Yes
Objects on Pads	None	None	2 right, 2 left

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25X1

Novosibirsk "D"

[redacted]

	[redacted]		25X1
Access Road	Lengthened sluce	Snow	Snow
Support Buildings	5 barracks type 3 under construction	8 barracks type 4 small	8 barracks type
Triad	None	None evident	None evident
Clearings for Site	None	Initial clearing	Indistinct
Security	None	None evident	None evident
Site Road Pattern	None	Not definite	Indistinct
Cross Ditch Between Pads	None	Not evident	None evident
Central Axis Buildings	None	None	None evident
Canted Buildings	None	None	None evident
Missile Ready Buildings	None	None	None evident
Pad Surfaced	No	Not evident	Not evident
Objects on Pads	None	None	None evident

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Form "D"

[redacted]

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Access Road	Present since [redacted]	Improved	Improved	Improved
Support Buildings	Initial scarring	27 barracks type 7 small	27 barracks type 7 small	27 barracks type 7 small
Triad (poss)	None	2 structures	2 structures	2 structures
Clearings for Site	None	All present	All present	All present
Security	None	Double fence	Double fence	Double fence
Site Road Pattern	None	Partially surfaced	Partially surfaced	Surfaced
Cross Ditch Between Pads	None	Present	Present	Present
Central Axis Buildings	None	2	2	2
Canted Buildings	None	4	4	4
Missile Ready Buildings	None	1 right	1 right	1 right
Pad Surfaced	No	No	Yes	Yes
Objects on Pads	None	None	1 right 1 left	1 right 1 left

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Perm "E" 25X1

Access Road	Present		Improved
Support Buildings	19 barracks type 5 small	19 barracks type 5 small	22 barracks type 7 small
Triad (poss)	Initial scarring	1 structure	1 structure
Clearings for Site	All present	All present	All present
Security	Single fence	Single fence	Single fence
Site Road Pattern	Present	Improved	Partial Surfaced
Cross Ditch Between Pads	Present	Present	Present
Central Axis Buildings	None	1 forward	2
Canted Buildings	None	2 right	2 right 2 left
Missile Ready Buildings	None	1 small left	1 right 1 large & 1 small left
Pad Surfaced	No	No	No
Objects on Pads	None	None	None

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Access Road	Initial	Present	Present	Present	Improved
Support Buildings	Site cloud covered	7 barracks type 6 small	14 barracks type 6 small	18 barracks type 6 small	23 barracks type 10 small
Triad	Site cloud covered	None	1 structure	2 structures	3 structures
Clearings for Site	Site cloud covered	Major components	All present	All present	All present
Security	Site cloud covered	Single fence	Singel fence	Single Fence	Singel fence
Site Road Pattern	Site cloud covered	Faint	Present	Surfaced	Surfaced
Cross Ditch Between Pads	Site cloud covered	Present	Present	Present	Present
Central Axis Buildings	Site cloud covered	None	1 forward	2	2
Canted Buildings	Site cloud covered	1 right	2 right	2 right 1 left	4
Missile Ready Buildings	Site cloud covered	None	1 right	1 right	1 right 1 under construction left
Pad Surfaced	Site cloud covered	No	Partial	Yes	Yes
Objects on Pads	Site cloud covered	None	2 left 2 right	2 left 2 right	2 left 2 right

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Svobodnyy "E" 25X1

[redacted] 25X1

Access Road	Improved since [redacted]
Support Buildings	10 barracks type 3 small
Triad	1 structure
Clearings for Site	All present
Security	Single fence
Site Road Pattern	Partial surfaced
Cross Ditch Between Pads	Present
Central Axis Buildings	2
Canted Buildings	2 right, 1 left
Missile Ready Buildings	1 right, 1 left
Pad Surfaced	No
Objects on Pads	None

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25X1

Verkhnyaya Salda "H"

Access Road	Present since [redacted]	Improved	Improved	Improved	Improved
Support Buildings	5 barracks type	11 barracks type 4 small	12 barracks type 4 small	12 barracks type 4 small	15 barracks type 6 small
Triad	Initial scarring	Present	2 structures	2 structures	2 structures
Clearings for Site	All present	All present	All present	All present	All present
Security	None visible	None visible	Single fence	Single fence	Single fence
Site Road Pattern	Faint	Improved	Partial surfaced	Partial surfaced	Surfaced
Cross Ditch Between Pads	Present	Present	Present	Present	Present
Control Area Buildings	2	2	2	2	2
Control Buildings	2 left 1 under construction left	2 left 1 right	2 left 1 right	4	4
Missile Assembly Buildings	1 left	1 left	1 left 1 right	1 left 1 right	2 left 1 right
Pads Surfaced	No	No	No	Left yes Right no	yes
Missile on Pads	None	None	None	2 left	1 left 1 right

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Verkhnyaya Salda "I"

[redacted]

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Access Road	Present	Present	Present	ID only	Improved	Improved
Support Buildings	1 barracks 1 small	2 barracks 1 small	2 barracks 1 small	ID only	21 barracks 5 small	21 barracks 5 small
Triad	None	None	None	ID only	Initial scarring	3 structures
Clearings for Site	None	None	None	ID only	All present	All present
Security	None	None	None	ID only	Single fence	Single fence
Site Road Pattern	None	None	None	ID only	Present	Improved
Cross Ditch Between Pads	None	None	None	ID only	Present	Present
Central Axis Buildings	None	None	None	ID only	1 forward 1 under construction rear	2
Canted Buildings	None	None	None	ID only	1 left 2 right	4
Missile Ready Buildings	None	None	None	ID only	1 under construction left	1 left
Pad Surfaced	No	No	No	ID only	No	Yes
Objects on Pads	None	None	None	ID only	None	1 left 1 right

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25X1

Verkhnyaya Salda "I" - cont'd

[redacted]		
Access Road	Improved	Improved
Support Buildings	21 barracks type 5 small	22 barracks type 5 small
Triad	3 structures	3 structures
Clearings for Site	All present	All present
Security	Single fence	Single fence
Site Road Pattern	Surfaced	Surfaced
Cross Ditch Between Pads	Present	Present
Central Axis Buildings	2	2
Canted Buildings	4	4
Missile Ready Buildings	1 left	1 left
Pad Surfaced	Yes	Yes
Objects on Pads	1 left 1 right	2 left 2 right

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Tsykoyo "D" 25X1

Access Road	Present
Support Buildings	Clearing evident
Triad	None
Clearings for Site	All major components
Security	None visible
Site Road Pattern	Faint
Cross Ditch Between Pads	Faint
Central Axis Buildings	None identifiable
Canted Buildings	None identifiable
Missile Ready Buildings	None identifiable
Pad Surfaced	No
Objects on Pads	None

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25X1

Teykovo "E"

[redacted]

Access Road	Present
Support Buildings	4 visible
Triad (poss)	2 structures
Clearings for Site	All present
Security	Single fence
Site Road Pattern	Partial surfaced
Cross Ditch Between Pads	Present
Central Axis Buildings	3
Canted Buildings	2 left, 1 right
Missile Ready Buildings	1 left 2 and 1 possible right
Pad Surfaced	No
Objects on Pads	None

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25X1

Yurya "H"

[redacted]

Access Road	Present	Improved	Improved	Improved	Improved
Support Buildings	Indefinite	16 barracks type 3 small	16 barracks type 3 small	16 barracks type 4 small	18 barracks type 4 small
Triad	Initial clearing	3 structures	3 structures	3 structures	3 structures
Clearings for Site	Initial	All present	All present	All present	All present
Security	Double fence	Double fence	Double fence	Double fence	Double fence
Site Road Pattern	Indefinite	Initial surfacing	Surfaced	Surfaced	Surfaced
Cross Ditch Between Pads	Present	Present	Present	Present	Present
Control Axis Buildings	Indefinite	2	2	2	2
Control Buildings	Indefinite	4	4	4	4
Missile Ready Buildings	Indefinite	2 left	2 left 1 right	3 left 1 right	1 of 3 left mounded, 1 right
Pad Surfaced	No	Partial	Yes	Yes	Yes
Objects on Pads	None	1 poss right	2 possible left	1 left 1 right	Indefinite

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25X1

Yurya "I"

[redacted]

Access Road	Present since [redacted]	Improved	Improved 25X1	Improved
Support Buildings	Initial clearing	Initial scarring	4 barracks type 4 small	7 barracks type 4 small
Triad	Initial scarring	Initial scarring	1 structure	2 structures
Clearings for Site	Initial clearing	Initial clearing	All present	All present
Security	Faint single fence	Faint single fence	Single fence	Faint single fence
Site Road Pattern	Initial scarring	Initial scarring	Partial improved	Improved
Cross Ditch Between Pads	Present	Present	Present	Present
Central Axis Buildings	None	None	1 forward	2
Canted Buildings	None	None	None	2 left 1 under construction rear
Missile Ready Buildings	None	None	1 left	1 left
Pad Surfaced	No	No	No	Partial
Objects on Pads	None	None	None	1 on each

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25X1

Yurya "J"

[redacted]

Access Road	Initial scarring	Present	Improved	Improved
Support Buildings	Initial clearing	2 barracks type	8 barracks type 2 small	11 barracks type 4 small
Triad	None	None	Initial scarring	2 and 1 under construction
Clearings for Site	Initial	Initial	All present	All present
Security	None	None	Single fence	Single fence
Site Road Pattern	None	Initial	Partially improved	Partially improved
Cross Ditch Between Pads	None	Present	Present	Present
Central Axis Buildings	None	None	None	1 forward 1 under construction rear
Canted Buildings	None	None	None	4
Missile Ready Buildings	None	None	None	None
Pad Surfaced	No	No	No	No
Objects on Pads	None	None	None	None

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25X1

Yedrovo "C"

[redacted]

Access Road	Present	Present	Improved	Improved
Support Buildings	Initial clearing	Initial	8 barracks type	16 barracks type 5 small
Triad	None visible	None	None	None
Clearings for Site	None	Initial	All major components	All present
Security	None visible	None	None	None
Site Road Pattern	None	Indistinct	Indistinct	Faint
Cross Ditch Between Pads	None	None	Indistinct	Present
Central Axis Buildings	None	None	None	2
Canted Buildings	None	None	None	2 left pad
Missile Ready Buildings	None	None	None	1 right
Pad Surfaced	No	No	No	No
Objects on Pads	None	None	None	None

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Yedrovo "D"

[redacted]

Access Road	Present since [redacted]	Present	Improved	Improved
Support Buildings	None	18 barracks type 2 small	18 barracks 2 small	30 barracks 8 small
Triad	None visible	1 structure	3 structures	3 structures
Clearings for Site	Most components	All present	All present	All present
Security	None visible	Single fence	Single fence	Single fence
Site Road Pattern	Faint	Faint	Partial Surface	Partial surface
Cross Ditch Between Pads	Faint	Faint	Present	Present
Central Axis Buildings	None visible	1 forward 1 under construction rear	2	2
Canted Buildings	None visible	2 right 1 left	4	4
Missile Ready Buildings	1 right	3 right	3 right	3 right
Pad Surfaced	No	Yes	Yes	Yes
Objects on Pads	None visible	1 left 1 right	1 left 1 right	1 left 1 right

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Yedrovo "F"

Access Road	Improved	Improved	Improved
Support Buildings	11 barracks type	17 barracks type 4 small	24 barracks type 6 small
Triad	1 structure	3 structures	3 structures
Clearings for Site	All present	All present	All present
Security	None visible	None visible	None visible
Site Road Pattern	Partial Surfaced	Partial Surfaced	Surfaced
Cross Ditch Between Pads	Present	Present	Present
Central Axis Buildings	2	2	2
Canted Buildings	1 right	2 right 1 left	4
Missile Ready Buildings	2 left	2 left 1 right	2 left 1 right
Pad Surfaced	Right yes Left no	Yes	Yes
Objects on Pads	1 right	1 right 1 left	None visible

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Yedrovo "G"

[redacted]

Access Road	Improved	Improved	Identification only	Improved
Support Buildings	26 barracks type 6 small	28 barracks type 6 small	Identification only	30 barracks type 8 small
Triad	Initial scarring	2 structures	Identification only	3 structures
Clearings for Site	Initial	Major components	Identification only	All present
Security	None visible	None visible	Identification only	None
Site Road Pattern	Faint	Faint	Identification only	Surfaced
Cross Ditch Between Pads	Faint	Present	Identification only	Present
Control Axis Buildings	None	1 forward	Identification only	2
Control Buildings	None	None visible	Identification only	4
Missile Ready Buildings	None	1 left	Identification only	2 left 1 right
Pad Surfaced	No	No	Identification only	Yes
Objects on Pads	None	None	Identification only	1 left 1 right

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Yoshkar Ola "D"

Access Road	Present	Present	Present	Faint	ID only	Improved	Improved
Support Buildings	4 barracks type	None identifiable	only 10 identifiable	Approx 18	ID only	27 barracks type, 5 small	28 barracks 5 small
Triad	None	None	None	2 structures	ID only	3 structures	3 structures
Clearings for Site	None	None	Initial	Initial	ID only	All present	All present
Security	None	None	None	None	ID only	None	None evident
Site Road Pattern	None	None	Faint	Faint	ID only	Partial surfacing	Surfaced
Cross Ditch Between Pads	None	None	Present	Present	ID only	Present	Present
Control Axis Buildings	None	None	None identifiable	None	ID only	2 present	2
Guided Buildings	None	None	None identifiable	None	ID only	2 rear pad	4
Missile Early Buildings	None	None	None identifiable	1 left rear	ID only	1 left rear	1
Pad Surfaced	No	No	Not discernible	No	ID only	No	Yes
Protection	None	None	None identifiable	None	ID only	None	2 on each

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Yoshkar Ola "E"

Access Road	Initial	Initial	Initial	Improved	NAC Haze precludes interpretation
Support Buildings	1 and 1 under construction barracks type, 3 small	3 barracks type 3 small	19 barracks 4 small	21 barracks 8 small	NAC Haze precludes interpretation
Triad	None	None	None	1 structure	NAC Haze precludes interpretation
Clearings for Site	None	None	Initial	All present	NAC Haze precludes interpretation
Security	None	None	None evident	Single fence	NAC Haze precludes interpretation
Site Road Pattern	Not evident	Not evident	Faint	Improved	NAC Haze precludes interpretation
Cross Ditch Between Pads	None	None	Present	Present	NAC Haze precludes interpretation
Central Axis Buildings	None	None	1 rear	2 present	NAC Haze precludes interpretation
Guard Buildings	None	None	2 right	4	NAC Haze precludes interpretation
Missile Ready Buildings	None	None	None	1	NAC Haze precludes interpretation
Pad Surfaced	No	No	No	Yes	NAC Haze precludes interpretation
Objects on Pads	None	None	None	2 on each	NAC Haze precludes interpretation

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Yoshkar Ola "F" 25X1

Access Road	Initial	Improved	Improved	Improved
Support Buildings	3 barracks type 3 small	12 barracks type 3 small	16 barracks type 4 small	17 large 10 small
Triad	Initial scarring	2 structures	3 structures	3 structures
Clearings for Site	Initial scarring	All present	All present	All present
Security	None	None	None	None
Site Road Pattern	Indistinct	Partial improved	Partial improved	Improved
Cross Ditch Between Pads	Present	Present	Present	Present
Central Axis Buildings	1 forward	2	2	2
Control Buildings	2 left pad	4	4	4
Missile Ready Buildings	None	1 and 1 under construction left	2 left 1 right	3
Pad Surfaced	No	No	Left partial	Left complete 2 partial
Objects on Pads	None	None	None	1 possible left

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